

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP99/06791

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl' C22C38/12, 38/14  
C21D 8/02, 9/46

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl' C22C38/00-38/60  
C21D 8/00-8/04, 9/46-9/48Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2000  
Kokai Jitsuyo Shinan Koho 1971-2000 Jitsuyo Shinan Toroku Koho 1996-2000Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
WPI

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP, 63-243225, A (Nisshin Steel Co., Ltd.), 11 October, 1988 (11.110.88), Claim 3, Example, Table 1 (Family: none)	1-27
Y	JP, 62-185834, A (Nisshin Steel Co., Ltd.), 09 March, 1994 (09.03.94), Claim 1; Tables 1-4 (Family: none)	1-27
A	JP, 6-41683, A (Kawasaki Steel Corporation), 15 February, 1994 (15.02.94) & EP, 565066, A & US, 5360676, A	1-27
Y	JP, 7-48649, A (NKK CORPORATION), 21 February, 1995 (21.02.95), Claims 1 to 3; Examples 1-2	1-27
A	JP, 9-235650, A (Kawasaki Steel Corporation), 09 September, 1997 (09.09.97) & EP, 792942, A & US, 5853659, A	1-27

 Further documents are listed in the continuation of Box C. See patent family annex.

- \* Special categories of cited documents:
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Date of the actual completion of the international search  
29 February, 1999 (29.02.99)Date of mailing of the international search report  
14 March, 2000 (14.03.00)Name and mailing address of the ISA/  
Japanese Patent Office

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